BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 10.00Lakhs

Name of Work:-Improvements of drains and constructions of culverts Vidyanikethan school road,Attur layout in Attur ward no-03 of Ynk Satellite Town SubDivision

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1,Earth work excavation by manual means in ordinary soil invlving an average horizontal throw up to 2 meters and an average lift uo to 1.5m,excavated surface levelled and sides neatly dresssed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(Item no19.1,Page no138,PWD SR 2014-15)	Cum							
	Desilting of drains for Santhoshanagara 2nd cross road		2	150.00	0.50	0.30	45.00		
	Vidyanikethana school road		1	90.00	0.45	0.25	10.13		
	Over burden earth		2	150.00	0.30	0.15	13.50		
			2	90.00	0.45	0.15	12.15		
	Vidyanikethana school road levelling		1	90.00	4.50	0.10	40.50		
							121.28	75.60	9168.39
	Basic Rate	70.00							
	Area Weightage @ 8%	5.60							
	Total	75.60							
2	Removing B.S slab of drain and stacking	sqm							
	Santhoshanagara 2nd cross road		2	150.00	1.65		495.00		
	Vidyanikethana school road		1	90.00	1.65		148.50		
							643.50		
		Deduct 30%of Missing slabs qty					193.05		
							450.45	58.32	26270.00
	Basic Rate	54.00							
	Area Weightage @ 8%	4.32							
	Total	58.32							
3	Refixing stone slabs of drains and pointing in CM(1:3)	Sqm							
		Vide Item No. 2					450.45	75.60	34054.00
	Basic Rate	70.00							
	Area Weightage @ 8%	5.60							
	Total	75.60							
4	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete do 7.5 cms thick	sqm							
		30%of Missing slabs qty					193.05		

	Vidyanikethana school road		1	90.00	1.65		148.50		
							341.55	639.36	218373.41
	Basic Rate	592.00							
	Area Weightage @ 8%	47.36							
	Total	639.36							
5	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No. KBS 2.1(b) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2014-15	Cum							
	Culverts		1	6.00	1.20	0.70	5.04		
	Vidyanikethana school road		1	90.00	0.60	0.20	10.80		
							15.84	264.60	4191.00
	Basic Rate	245.00							
	Area Weightage @ 8%	19.60							
	Total	264.60							
6	KSRRB M100-1 Loading and un loading of stone boulder/Stone aggregates/sand/kanker/Moorum.KSR RB M100-1:Placing tipper at loading point,loading with front end loader,dumping,turning for return trip,excluding time for haulage and return trip complete as per specifications(Item no17.1,Page no130,PWD SR 2014-15)	Cum							
				Vide Item No. 1+4			137.12	68.04	9329.00
	Basic Rate	63.00							
	Area Weightage @ 8%	5.04							
	Total	68.04							
7	KSRB 4-1.3:Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed,machine mixed,concrete laid in layers not exeeding 15cms.thick, well compacted in foundation,including cost of all materials,labour,HOM of machinery,curing complete as per specifications.Specification no KBS4.1,4.2(Item no4.3,Page no12,PWD SR 2014-15)	Cum		2					

	Culverts		1	6.00	1.00	0.15	0.90		
							0.90	4847.04	4362.00
	Basic Rate	4488.00							
	Area Weightage @ 8%	359.04							
	Total	4847.04							
8	KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming etc as per specification&direction of the engineer incharge of work(pwd sr2014-15,p.no13,sno4.11)	Cum							
	For culvert bottom		1	6.00	1.00	0.20	1.20		
	Side walls		2	6.00	0.20	0.70	1.68		
	For deck slab		1	6.00	1.00	0.20	1.20		
							4.08	6065.28	24746.00
	Basic rate	5616.00							
	Add 8% AW	449.28							
	Total	6065.28							
9	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per specifications.Specification noKBS 4.6.3,TMT bars Fe550(pwd sr2014-15,p.no17,s.no4.46)	Qtl							
	100 kg / cum						4.08	7905.60	32255.00
	Basic rate	7320.00							
	Add 8% AW	585.60							
	Total	7905.60							

	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters, bittresses, buttresses plinth and string course including cost of all materials,labour complete as per specification. Specification no.KBS 4.6.2(pwd sr2014-15,p.no15/4.31)	Sqm							
	Side walls		4	6.00		0.60	14.40		
	Deck slab		1	6.00	0.60		3.60		
	Basic rate	271.00					18.00	292.68	5268.00
	Add 8% AW	21.68							
	Total	292.68							
11	KSRRB M300-53 : Construction of embankment with approved material Gravel/Murrum with all lifts and leads, trasnporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications (which includes cost of gravel / murrum, watering charges & compaction by vibratory roller) MORTH Specification No. 305. **(Page No. 144 & Item No. 19.60)**								
	Road levelling		1	90.00	4.50	0.20	81.00		
							81.00	**220.32**	**17846.00**
	Basic Rate	204.00							
	Area Weightage @ 8%	16.32							
	Total	**220.32**							
12	KSRRB M1400-14.1. Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel / vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening / binding Materials to fill up the interstices of coarse aggregate, watering and compacting to the required density. Material Using Scrining Crushable Type such as Moorum or Gravel Grading - II (Manual) Clause : 404 (P.143/I.20.15.3 PWD SR - 2014-15).								

	WBM Road		1	90.00	4.50	0.10	40.50		
	Basic Rate	1549.00					40.50	1619.72	65598.66
	Area Weightage @ 8%	70.72							
	Total	1619.72							
13	KSRRB M1400-14.2. Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel / vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening / binding Materials to fill up the interstices of coarse aggregate, watering and compacting to the required density. Material Using Scrining Crushable Type such as Moorum or Gravel Grading - III (Manual) Clause : 404 (P.143/I.20.15.3 PWD SR - 2014-15).								
	WBM Road		1	90.00	4.50	0.075	30.38		
	Basic Rate	1417.00					30.38	1487.72	45189.50
	Area Weightage @ 8%	70.72							
	Total	1487.72							
14	KSRB 5-14: Providing and constructing precast concrete solid blocks with compressive strength not less than 35Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (P25/5.27)	Sqm							
	Santhoshanagara 2nd cross road		2	150.00		0.20	60.00		
							60.00	993.60	59616.00
	Basic Rate	920.00							
	Area Weightage @ 8%	73.60							
	Total	993.60							
15	KSRB 5-15: Providing and constructing Non load bearing wall with cement concrete solid blocks with compressive strength not less than 35Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x10x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (P25/5.28)	Sqm							

Administrative Sanction for Rs. 10.00 lakhs

	2nd A main road		2	150.00		0.20	60.00	
							60.00	724.68	43481.00
	Basic Rate	671.00						
	Area Weightage @ 8%	53.68						
	Total	724.68						
16	KSRRB 4.1:6Providing and laying in position plain cement concrete mix 1:2:4 with cement @240kgs,with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15cms thick well compacted,in foundation,plinth and cills,including cost of all materials,								
	2nd A main road		2	150.00	0.25	0.10	7.50		
	2nd A main road		2	150.00	0.20	0.05	3.00		
			2	150.00	0.10	0.05	1.50		
							12.00	5327.64	63931.68
	Basic Rate	4933.00							
	Area Weightage @ 8%	394.64							
	Total	5327.64							
17	Providing and fixing Precast RCC Slabs as Per approved design, specification and Direction Engineer-	Sqm							
	2nd A main road		2	150.00	0.90		270.00		
							270.00	1245.00	336150.00
18	Miscellaneous charges	L/S							170.37
								Total RS	1000000.00
	(Rupees Ten lakhs only)								

Registered as SE No. ..... Subject to conditions contained in enclosed memo No. EE/Yel/40/14-15 Dt. 27.10.14

AE/JE

EE/YNK

Certificate

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2014-15
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward no: 03

Assistant Executive Engineer
Yelahanka New town Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

TECHNICALLY SANCTIONED FOR Rs. 10,00 lakh
Rupees Ten lakh only.
Under P-1771 2014-15

Registered as CE ( ) No ..... S 9
Subject to conditions contained in enclosed memo EE ( ) No. ..... /S/
Dt. ..... Estimate for Sanctioned
CE/YNK/95/72/14-15 to
Dated 28-10-14 ..... Rs. 10,00 lakhs

Name of work : Improvements of drains and Construction of culverts Vidyaa Niketham School road, Attur Layout in Attur ward no-03

INDEX :-

- Slagging Cradle & Covering slabs
- U.S slab drain
- R&R work
- Culvert

R.N Pradeep

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ಬ.ಬ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106